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1 MPAK - - - - - TPIYL - KAANNKKGKKFKLR 1859631  
1 MPGPQGGRGAATMSLGKLSPVGVVSSSQGK GI 338033

24 DILSPDMISPPPLGDFRHTIHIHGKEGOHDVF 1859631  
31 RRLTADMISHPLGDFRHTMHVGRGG - - DVF GI 338033

54 GDISFLOGNYELLPGNOEKAHLGQFPQHNE 1859631  
59 GDTSL - SNHGGSSGSTHRSPRSFLAKKLQ GI 338033

84 FFRANSTSDSVFTETPSPVLKNAISLPTIG 1859631  
88 LVRVRVGAPPRRMASPPAPSPAPPAISPIL - GI 338033

114 GSQALMLPLLSPVTFNSKQESFGPAKLPRL 1859631  
117 - KNAISLPQLNQAAAY - - - - DLSLVVGKLS - F GI 338033

(57) Abstract

The invention provides human bone marrow-derived serum proteins (BMDSP) and polynucleotides which identify and encode BMDSP. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating or preventing disorders associated with expression of BMDSP.